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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		<b>ATTORNEY'S DOCKET NUMBER</b> <b>1141/76668</b>
INTERNATIONAL APPLICATION NO. PCT/JP2005/002264	INTERNATIONAL FILING DATE 15 February 2005	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/588251</b>
<b>TITLE OF INVENTION</b> IMAGE RECONSTRUCTION METHOD AND TOMOGRAPH		
<b>APPLICANT(S) FOR DO/EO/US</b> Taiga GOTO, Osamu MIYAZAKI, Koichi HIROKAWA		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98, and Form PTO-1449 with copies of cited references.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/588257</b>	INTERNATIONAL APPLICATION NO. PCT.JP2005/002264	ATTORNEY'S DOCKET NUMBER 1141/76668
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20. Other items or information:  
See Page 4

The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....				\$ 300	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200				\$ 200	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500				\$ 400	
<b>TOTAL OF 21, 22 and 23 =</b>				900	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
86 - 100 =	/50 =	0	x \$250	\$	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	21 - 20 =	1	x \$ 50	\$ 50	
Independent claims	- 3 =		x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 950	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.					
				<b>SUBTOTAL =</b>	\$ 950
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+ \$	
				<b>TOTAL NATIONAL FEE =</b>	\$ 950
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+ \$ 40	
				<b>TOTAL FEES ENCLOSED =</b>	\$ 990
				<b>Amount to be refunded:</b>	\$
				<b>Amount to be charged</b>	\$

10/588257

PTO-1390 (REV. 07-2005)  
Approved for use through 3/31/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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IAP11 Rec'd PCT/PTO 31 JUL 2006

- a.  A check in the amount of \$ 990.00 to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 03-3125. A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

## SEND ALL CORRESPONDENCE TO:

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 Paul Teng  
 NAME  
 40,837  
 REGISTRATION NUMBER

10/588257  
IAP11 Rec'd PCT/PTO 31 JUL 2006  
Dkt. 1141/76668

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Taiga GOTO, Osamu MIYAZAKI, Koichi HIROKAWA

Serial No.: Not Yet Known

Int'l Appl'n No.: PCT/JP2005/002264

Date Filed: Concurrently Herewith

Int'l Filing Date: 15 February 2005

For: IMAGE RECONSTRUCTION METHOD AND TOMOGRAPH

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
ATTN: DO/EO/US

Sir:

**EXPRESS MAIL LETTER OF TRANSMITTAL**

Express Mail mailing label number: EV554809483US

Date of Deposit: July 31, 2006

I hereby certify that the above-identified new application, consisting of four pages of the Transmittal Letter To The United States Designated/Elected Office (DO/EO/US) Concerning A Filing Under 35 U.S.C. 371 (in duplicate); copy of the international application as filed (including PCT request); English-translation of the international application as filed [68 pages including claims 1-21, and in addition 18 sheets of formal drawings (Figs. 1-19)]; Declaration And Power Of Attorney (4 pages); Assignment and Recordation Cover Sheet (4 pages total); Communication Indicating Practitioners To Be Recognized As Being Of Record; Preliminary Amendment; Information Disclosure Statement (including Form PTO-1449 and copies of references); copy of PCT/IB311 and International Publication No. WO 2005/077278 A1; copy of PCT/ISA/220 and PCT/ISA/210 (International Search Report); copy of PCT/ISA/237 (Written Opinion); copy of PCT/IB/345; a check in the amount of \$990.00; and return stamped postcard, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, ATTN: DO/EO/US.

*Ivan S. Kavrukov*  
\_\_\_\_\_  
Ivan S. Kavrukov

Mail Room Employee  
Depositing Express Mail Material

Attorneys for Applicant:

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10/588257  
IAP11 Rec'd PCT/PTO 31 JUL 2006

Dkt. 1141/76688

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Taiga GOTO, Osamu MIYAZAKI, Koichi HIROKAWA

Serial No.: Not Yet Known Int'l Appl'n No.: PCT/JP2005/002264

Date Filed: Concurrently Herewith Int'l Filing Date: 15 February 2005

For: IMAGE RECONSTRUCTION METHOD AND TOMOGRAPH

**Page 4 of Transmittal Letter To The United States Designated/Elected Office  
(DO/EO/US) Concerning A Submission Under 35 U.S.C. 371**

20. Other items or information:

- Communication Indicating Practitioners To Be Recognized As Being Of Record.
- Notification Concerning Transmittal Of Copy of International Application As Published Or Republished (PCT/IB/311) and copy of PCT Publication No. WO 2005/077278 A1;
- copy of PCT Request;
- copy of PCT/ISA/220 and PCT/ISA/210 (International Search Report);
- copy of PCT/ISA/237 (Written Opinion);
- copy of Communication In Cases For Which No Other Form Is Applicable (PCT/IB/345); and
- Express Mail Certificate of Mailing Label No. EV554809483.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Taiga GOTO, Osamu MIYAZAKI, Koichi HIROKAWA

Serial No.: Not Yet Known Int'l Appl'n No.: PCT/JP2005/002264

Date Filed: Concurrently Herewith Int'l Filing Date: 15 February 2005

For: IMAGE RECONSTRUCTION METHOD AND TOMOGRAPH

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

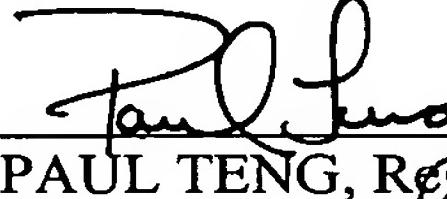
Sir:

**COMMUNICATION INDICATING  
PRACTITIONERS TO BE RECOGNIZED AS BEING OF RECORD**

Pursuant to 37 C.F.R. 1.32(c)(3), Applicant hereby requests that the following practitioners who are also listed in the power of attorney submitted concurrently herewith be recognized by the Patent Office as being of record in connection with the above-identified application to which the power of attorney is directed:

Ivan S. Kavrukov (Reg. No. 25,161); Christopher C. Dunham (Reg. No. 22,031); Norman H. Zivin (Reg. No. 25,385); John P. White (Reg. No. 28,678); Robert D. Katz (Reg. No. 30,141); Peter J. Phillips (Reg. No. 29,691); Richard S. Milner (Reg. No. 33,970); Richard F. Jaworski (Reg. No. 33,515); and Paul Teng (Reg. No. 40,837).

Respectfully submitted,

  
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Date: July 31, 2006